

2019 Ketchikan BEACH Monitoring

Analytical Data Results

Sample Date	Knudson Cove		S Pt Higgins		Shull		Sunset		S Refuge Cove		Thomas Basin		Seaport		Rotary Pool		Rotary Beach		Mountain Point Cultural Food		Mountain Point Surprise Beach		Herring Cove	
	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc	FC	Enteroc
15-May	5 (4)	<10 (<10)	52	<10	3	<10	17	10	6	<10	55	256	2	<10	6	<10	10	<10	18	<10	21	<10	30	<10
22-May	3	<10	7 (8)	<10 (<10)	13	20	15	<10	6	<10	11	<10	<10	<10	<10	<10	8	<10	9	10	8	<10	12	<10
29-May	20	<10	12	<10	3 (2)	<10 (<10)	7	<10	48	<10	6	<10	3	<10	9	10	11	<10	61	41	4	<10	14	<10
5-Jun	2	31	25	<10	15	<10	43 (39)	<10	7	<10	12	10	3	<10	6	10	7	<10	11	20	34	10	18	<10
11-Jun	58	52	181	130	276	199	18	<10	163 (155)	2851 (3448)	214	487	79	20	206	1576	Confluent Growth	84	37	20	86 (Spreaders)	323	113	41
19-Jun	14	10	76	10	34	<10	12	<10	2	<10	16 (18)	20 (20)	6	<10	<2	20	10	10	526	620	24	10	36	10
25-Jun	23	41	16	10	15	<10	12	10	13	<10	12	10	6 (8)	<10 (<10)	19	52	9	<10	28	50	8	<10	15	<10

18 AAC 70 Alaska Water Quality Standards (amended as of April 6, 2018) - (14) Bacteria, For Marine Water Uses

(B) Water Recreation (i) contact recreation

In a 30-day period, the geometric mean of samples may not exceed 35 enterococci CFU/100 ml, and not more than 10% of the samples may exceed a STV of 130 enterococci CFU/100 ml.

(B) Water Recreation (ii) secondary recreation

In a 30-day period, the geometric mean of samples may not exceed 200 fecal coliform/100 ml, and not more than 10% of the samples may exceed 400 fecal coliform/100 ml.

(D) Harvesting for Consumption of Raw Mollusks or Other Raw Aquatic Life (most stringent)

The geometric mean of samples may not exceed 14 fecal coliform/100 ml; and not more than 10% of the samples may exceed; 31 CFU per 100 ml for a membrane filtration test.

Tides focus is on either side of low tide, using ebb and flow stages

FC = fecal coliform bacteria

Enteroc = enterococci

() shows duplicate results

CFU - colony forming units

MPN - most probable number

STV - statistical threshold value